

ATEC Pre-Diagnostic Procedure

September 22, 2010

****Perform this procedure before proceeding with ATEC troubleshooting****

NOTE: This procedure may be viewed at any time at Start>Programs>Dearborn Group Products>DPA 4 Plus>ATEC HELP

ATTENTION

To perform ATEC Transmission Diagnostics on vehicles with DDEC III engines, the Detroit Diesel Engine ECU must be disabled. Not disabling the Engine ECU could cause an inability to retrieve ATEC trouble codes. Perform the following steps to disable the Engine ECU:

1. Turn the Ignition Switch to OFF, and shut down vehicle power using the Battery Disconnect Switch. Pulling the switch disables vehicle power (see Image 1.).



Image 1. - Battery Disconnect Switch

2. Locate and disconnect the 6-way Connector (MC62), which is accessible inside the "ENG. OIL CHECK/FILL compartment (see Images 2a. & 2b.).



Image 2a. - ENG. OIL CHECK/FILL Compartment

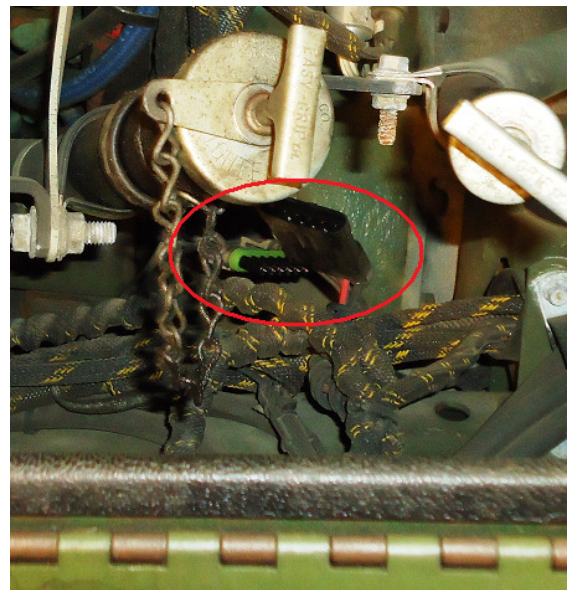


Image 2b. - 6-Circuit Connector MC62
(Disconnected)

3. If Connector MC62 cannot be located or disconnected, skip steps 4 and 5 here, and follow the ALTERNATE PROCEDURE on the next page.
4. Reapply vehicle power using the Battery Disconnect Switch, and turn the Ignition Switch to ON.
5. When this HELP FILE is closed, ATEC trouble code retrieval will continue.

ALTERNATE PROCEDURE

1. With Ignition still OFF, and vehicle power still shut down, remove the cover from the circuit breaker enclosure, (located next to the driver's seat). Remove 8 Phillips-head screws on top (see Image 1.).

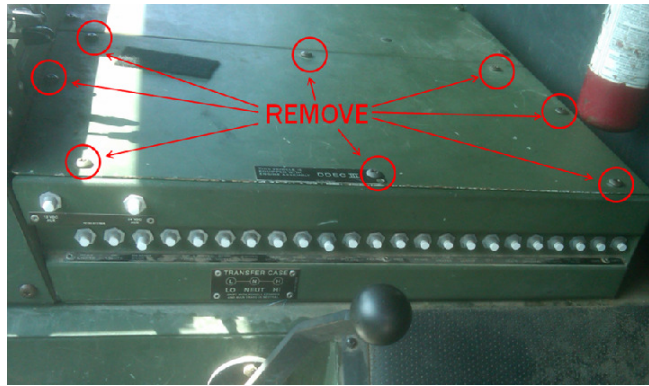


Image 1. - Circuit Breaker Enclosure

2. Disconnect the "Faston" wire terminals from Circuit Breakers #22 and #23 (the last two Circuit Breakers at the right end of the row, both labeled DDEC).

NOTE: While removing "Faston" connectors, be careful not to damage or bend the breaker terminals. Needle nose pliers may be used to unplug the connectors (see Images 2a. & 2b.).

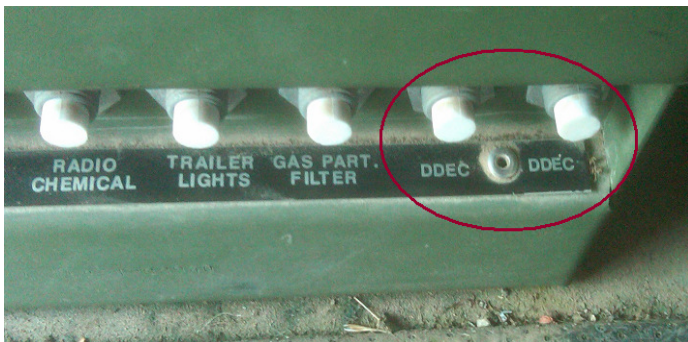


Image 2a. - Location of the DDEC Circuit Breakers #22 & #23



Image 2b. - "Faston" Connectors at Circuit Breakers #22 & #23

3. Ensure that the disconnected "Faston" wires are electrically isolated by wrapping the connector ends with electrical tape.
4. Reapply vehicle power at the Battery Disconnect Switch, and turn the Ignition Switch to ON.
5. When this HELP FILE is closed, ATEC trouble code retrieval will continue.